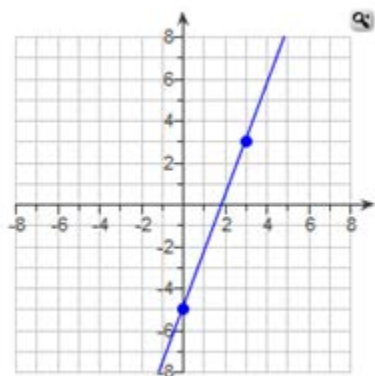


PRACTICE TEST 3 - CHAPTER 3 & 5

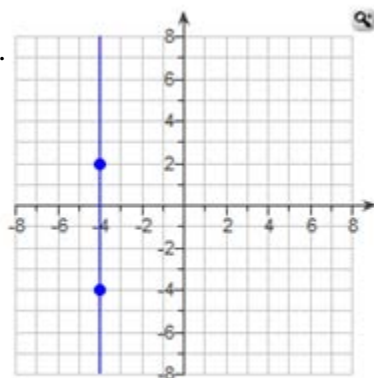
Beginning and Intermediate Algebra by Elayn Martin-Gay, 6th edition

****Reminder: Graphing Calculators will NOT be allowed on MATH 0361 tests****

1. Find the slope of the line that goes through the points: (9,-8) and (-10,1)
2. Find the slope of the line:



3.



4. Find the slope of the line: $8x + y = 3$
5. Determine whether the pair of lines are parallel, perpendicular, or neither:

$$4x = 3y + 1$$

$$-20x + 15y = 1$$

Use the slope-intercept form to graph the equation. (Write the equation in slope-intercept form when possible.)

6. $y = -\frac{7}{2}x + 3$

Find the equation of the line:

7. Vertical line through (6,-4)
8. Perpendicular to $x = 7$ passing through (6,6)
9. Through (15,9) and (12,15)
10. Slope = $\frac{3}{2}$, through (-6,-14)

Simplify:

11. $x^8 \cdot x^3$
12. $(x^{14}y^7)(x^5y)$
13. $\left(\frac{2x^3z^2}{y^3}\right)^3$
14. $\frac{(-2)^5}{(-2)^3}$
15. $(-9x)^0$
16. $\left(\frac{1}{2}\right)^{-4}$
17. $\frac{y^{-8}}{y}$
18. $\frac{(a^6)^3}{(a^8)^5}$
19. $(-4x^4y^{-5})(2x^{-1}y^2)$
20. $\frac{2^{-3}x^{-2}}{2^3x}$

MATH0361 Practice Test 3 Answers:

1) $-\frac{9}{19}$

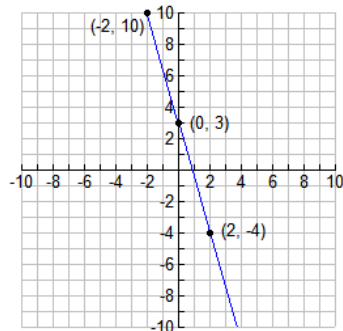
2) $\frac{8}{3}$

3) undefined

4) -8

5) Parallel

6)



7) $x = 6$

8) $y = 6$

9) $y = -2x + 39$

10) $y = \frac{3}{2}x - 5$

11) x^{11}

12) $x^{19}y^8$

13) $\frac{8x^9z^6}{y^9}$

14) 4

15) 1

16) 16

17) $\frac{1}{y^9}$

18) $\frac{1}{a^{22}}$

19) $-\frac{8x^3}{y^3}$

20) $\frac{1}{64x^3}$